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| APPLICATION NO.   | FILING DATE  |  | FIRST NAMED INVENTOR   | AT  | FORNEY DOCKET NO.   | CONFIRMATION NO.   |
| 10/719,547 11/21/2603   |  |  | Stephen S. Whitchead   | nd NIH214.001C1 3443  |   |  |
| TITLE OF INVENTION  | DEVELOPMENT  | OF MUTATIONS USE   | FUL FOR ATTENUATION  | VG DENGUE VIRUS   | ES AND CHIMERIC   | DENGUE   |
| APPLN. TYPE   | SMALL ENTITY   | ISSUE FEE DUE  | PUBLICATION FEE DUE  | PREV. PAID ISSUE FE   | E TOTAL PEE(S) DUI  | DATE DUE   |
| nonprovisional  | NO   | \$1400   | \$300  | \$0   | \$1700  | 04/05/2007   |
| EXAN  | 4INER  | ART UNIT   | CLASS-SUBCLASS   | )   |   |  |
|   | IEPFREY S  | 1648   | 424-218100   |   |   |  |
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| Authorized Signature  |  |  |  | DateMarch 23, 2007  |   |  |
| Typed or printed name Nancy W. Vensko   |  |  |  | Registration No. 36,298   |   |  |
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